

Where Land and Water Meet







Wetland Function and Values

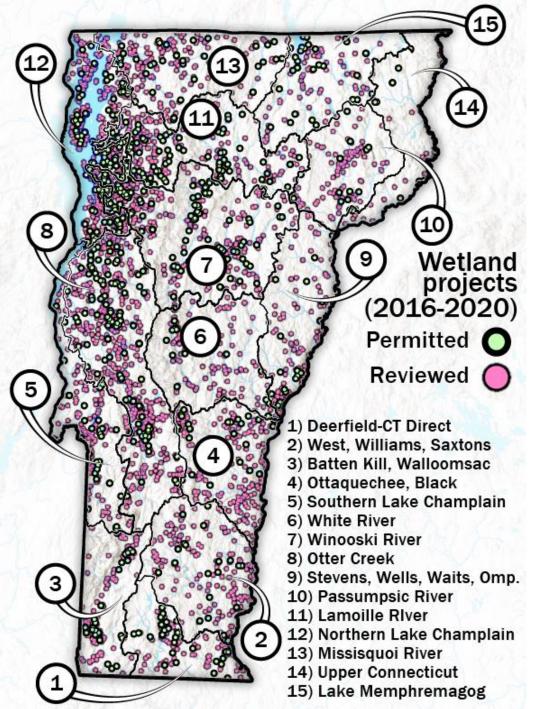
Historically Vermont has lost 35% of wetland area.

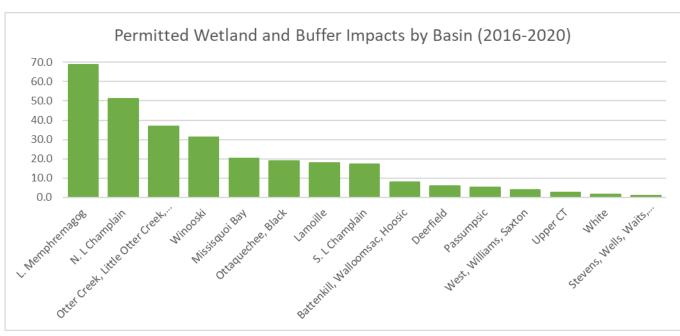
~4% is wetland today.

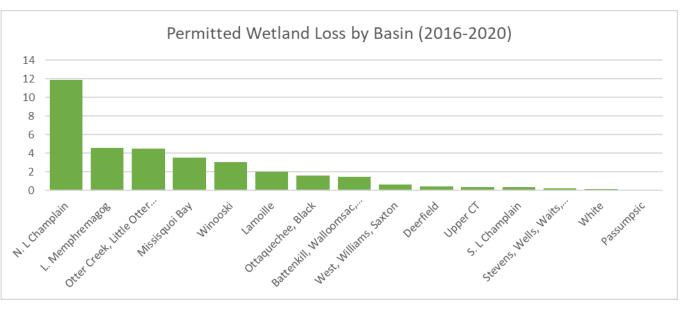
Vermont Wetlands Program

- Identify wetland locations with maps and site visits
- Assess the health of wetlands
- Support voluntary wetland restoration
- Implement Vermont Wetland Rules
 - Review project plans
 - Require wetland avoidance where possible
 - Ensure no net loss of wetland function or value

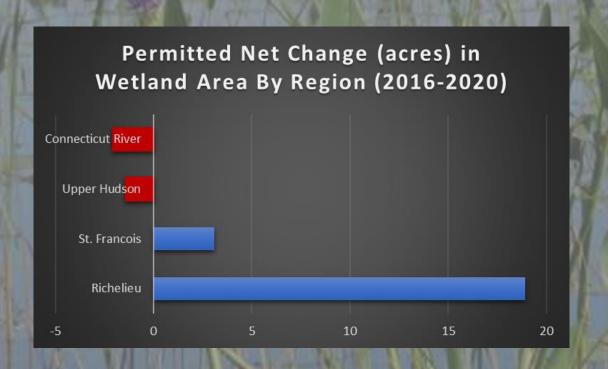








Permitted Net Gain of 18.5 Wetland Acres 2016-2020

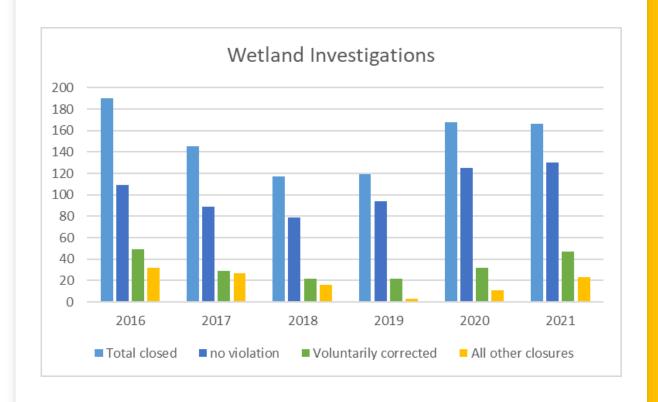




Wetland Investigations 2016-2021

Average of 180 new investigations started each year.

See Legislative Reports: "Report to the Legislature Uniform Environmental Enforcement Act" 2016-2021



Wetland Losses and Gains 2021

Permit issuance increased by over a third from previous years.

CY 2021:

2 acres of wetland filled

11 acres of wetland enhanced or restored

	1111	
Table 1: Loss and Gain By County		
(units in square feet)		
County	Loss	Gain
Addison	1600	6000
Bennington	200	200
Caledonia	1576	22400
Chittenden	38680	304098
Essex	2662	3600
Franklin	4447	0
Grand Isle	2524	67974
Lamoille	6051	53787

364

3598

16945

1095

5400

26

200

23562

Orange

Orleans

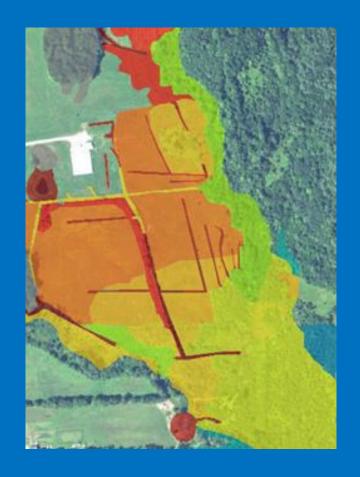
Rutland

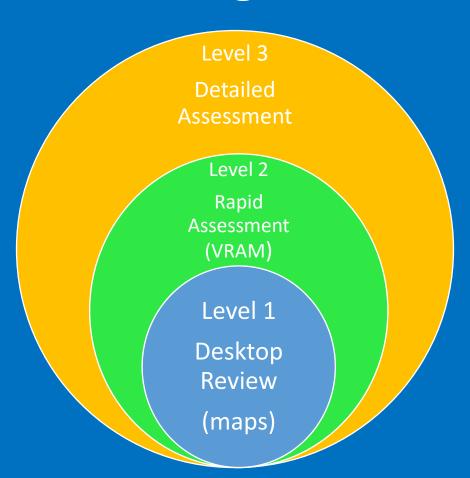
Washington

Windham

Windsor

Wetlands Biomonitoring

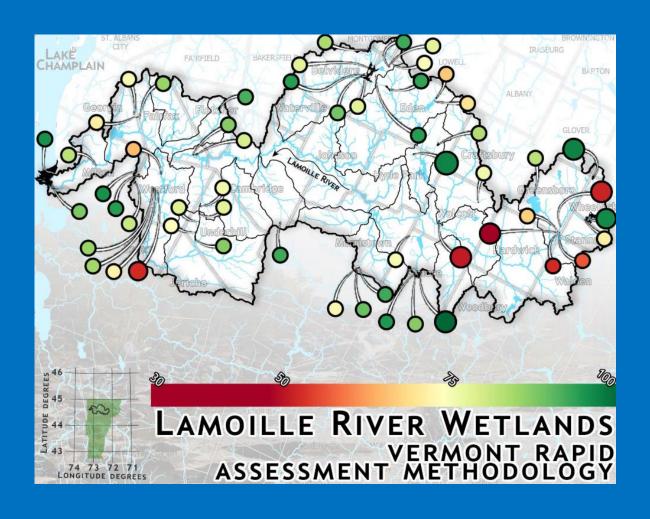






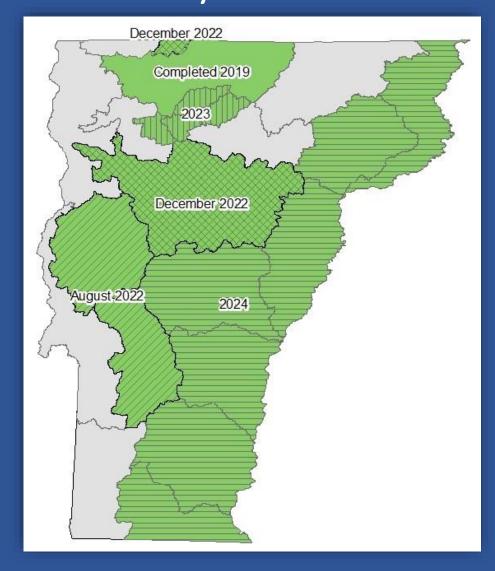
Vermont Rapid Assessment Method

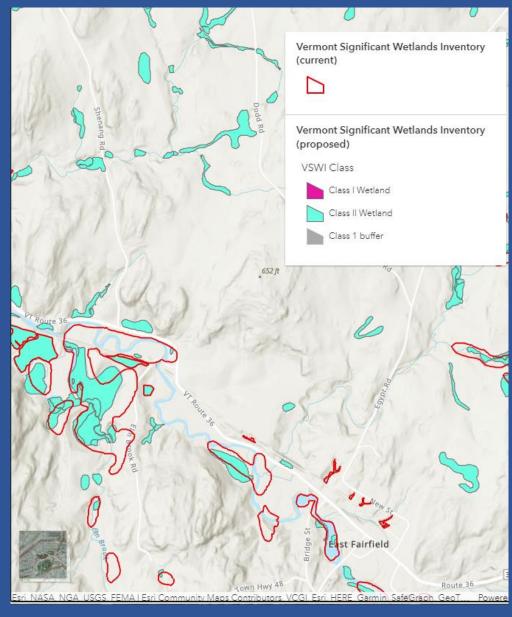
- 1. Wetland Area
- 2. Upland Buffers and Surrounding Land Use
- 3. Hydrology
- 4. Habitat Alteration and Development
- 5. Vermont's Natural Heritage
- 6. Habitat Structure and Microtopography



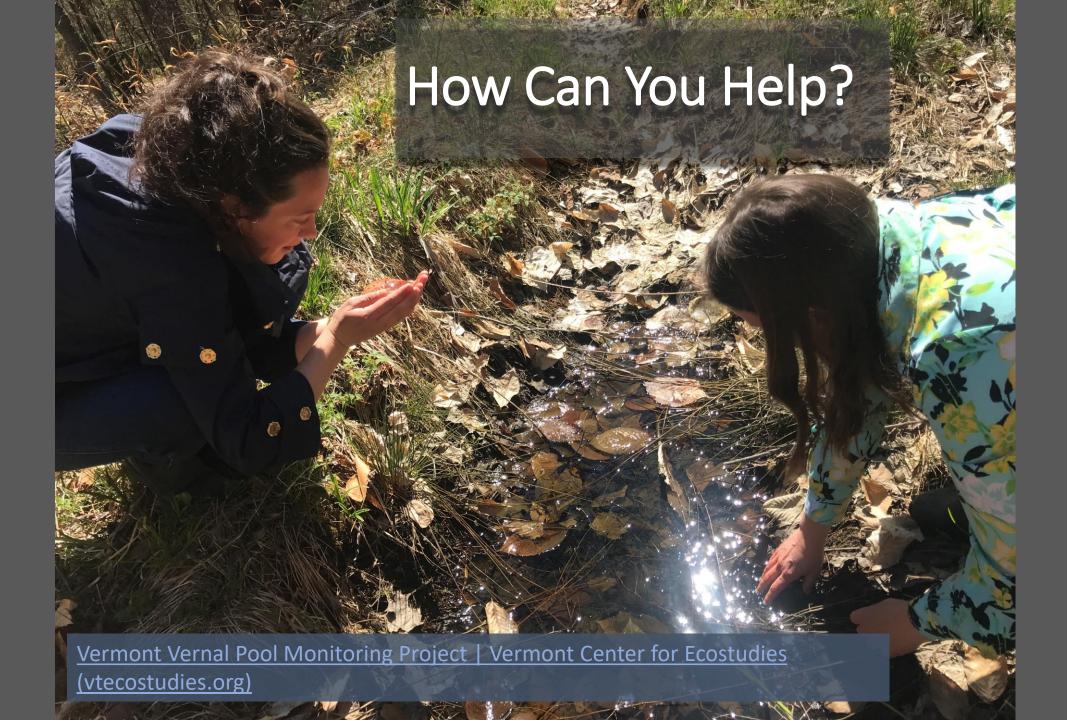
VRAM: function + value + condition = overall wetland quality

Wetland Map Updates Underway





See Wetland Rulemaking Website for More.





Stats

Totals

1923

Observations »

443

Species »

People »

Most Observations



1659 observations

176 observations

42 observations

11 observations

7 observations

laura_vt





Most Species

27 species



22 species





laura_vt 9 species



Most Observed Species



Castor canadensis 63 observations



Pinus strobus 54 observations



Typha latifolia 51 observations

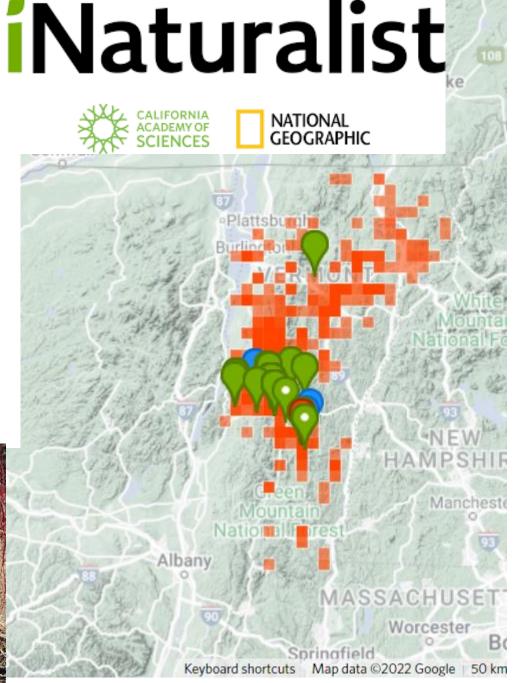


Onoclea sensibilis 46 observations



Abies balsamea 43 observations





Help Your Community Find Wetlands

Wetland Screening Tool:

https://anrmaps.vermont.gov/websites/wetlandScreening/

Wetland Inventory Maps: http://tiny.cc/wetlands

Landowners Guide To Wetlands:

https://dec.vermont.gov/watershed/wetlands/what/guide

Hire a Wetland Consultant:

https://dec.vermont.gov/watershed/wetlands/what/id/wetland-consultant-list

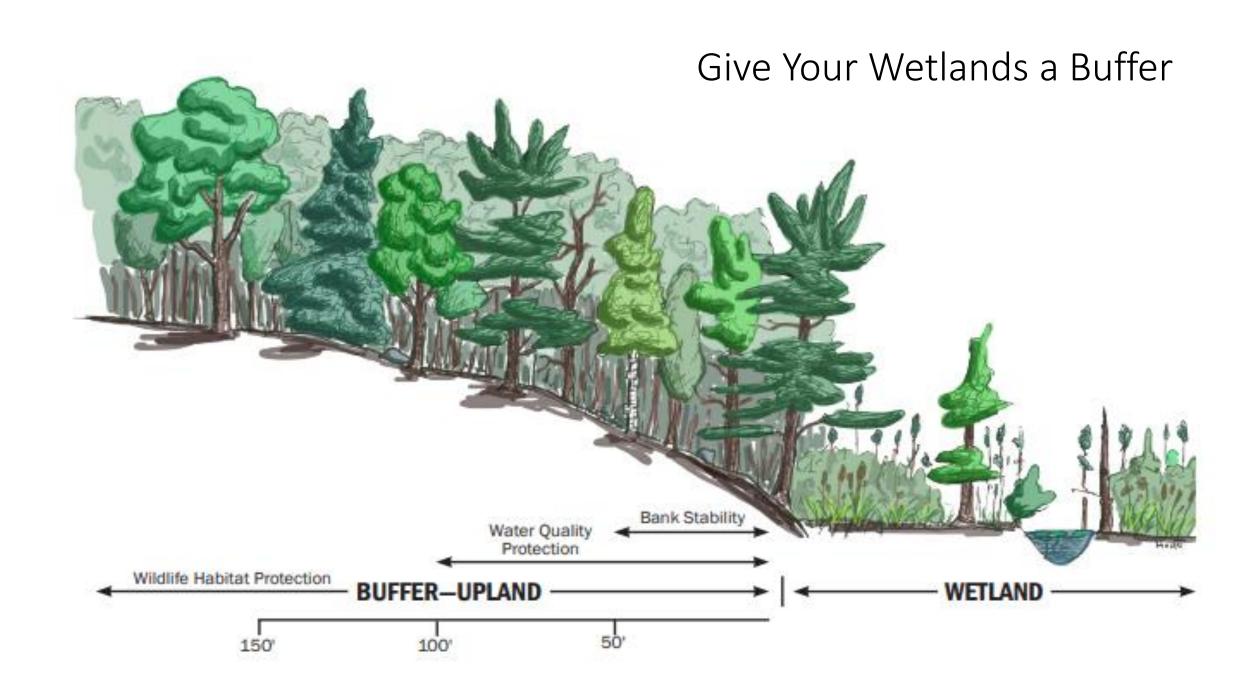
Program Inquiry Form:

https://dec.vermont.gov/watershed/wetlands/contact

You Tube Channel:

https://www.youtube.com/watch?v=oDzL6NRIGgs&list=PLLX VJCF6Lbmxkg4ZPOiAg2YybklskikMQ





Wetland Missisquoi Rive LAKE CHAMPLAIN BASIN WETLAND RESTORATION PLAN Lamoille Lake Champlain Restoration Winooski River VERMONT AGENCY OF NATURAL RESOURCES VERMONT DEPARTMENT FORESTS, PARKS AND RECREATION LAKE CHAMPLAIN CLEAN AND CLEAR ACTION PLAN Lake Champlain VERMONT

The Wetland Restoration Potential Layer (2017) is found in the Wetland Inventory Map under "Wetland Map", "Watershed Protection".

Learn more:

https://dec.vermont.gov/watershed/wetlands/protect/restore

Wetland Restoration Potential Layer



